Geometry Honors Problem Sets

Intersections of points, lines and planes

Name a fourth point that is in the same plane as the given points.

1. A, B, C
2. D, C, H
3. B, C, H
4. Are there any points in  besides C and G?
5. Are there more than four points in plane ABCD?
6. Name the intersection of planes ABFE and BCGF.
7. Name two planes that do not intersect.



Classify each statement as true or false.

8  is in plane R.

9. S contains .

10. R and S contain D.

11. h is in R.

12. Plane R intersects plane S in .

13. Point C is in R and S.

14. A, B, and C are collinear.

15. A, B, C, and D are coplanar.